

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Helen Allison, Xiaorong Feng, Joyce E. Fry, Tianci Hu, Fengming Lu, and Maxim Radionenko

Application No.: 10/064,849      Group No.: ~~Unknown~~ 1638  
Filed: August 22, 2002      Examiner: ~~Unknown~~ Helmer  
For: An Improved Efficiency Agrobacterium-Mediated Wheat Transformation Method

Confirmation No.: 3130

Assistant Commissioner for Patents  
Washington, D.C. 20231

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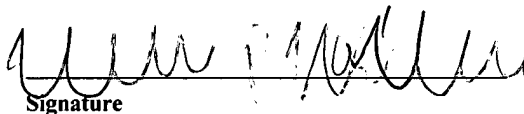
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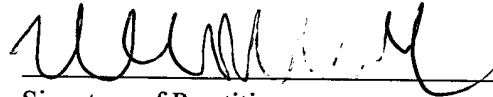
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Sheet 1 of 1

**Complete if Known**

<b>Application Number</b>	10/064,849
<b>Filing Date</b>	08/22/2002
<b>First Named Inventor</b>	Helen Allison
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	38-21(52179)B

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Examiner Name	Unknown
Attorney Docket Number	38-21(52179)B

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	AMRHEIN ET AL, "Biochemical basis for glyphosate-tolerance in a bacterium and a plant tissue culture" FEBS Letters, Vol. 157 (1) p. 191-96, (1983).	
	C2	BORGHOUTS, C AND H.D. OSIEWACZ, "GRISEA, a copper-modulated transcription factor from Podospora anserina involved in senescence and morphogenesis, is an ortholog of MAC1 in Saccharomyces cerevisiae," Mol. Gen. Genet., Vol. 260 p. 492-502, (1998).	
	C3	BREGITZER, P ET AL, "Enhancement of plant regeneration from embryogenic callus of commercial barley cultivars," Plant Cell Reports, Vol. 17 p. 941-45, (1998).	
	C4	CASTILLO, A.M. ET AL, "Somatic embryogenesis and plant regeneration from barley cultivars grown in Spain," Plant Cell Reports, Vol. 17 p. 902-06, (1998).	
	C5	CHATFIELD, J.MARK AND DONALD J. ARMSTRONG, "Cytokinin oxidase from Phaseolus vulgaris callus tissues: Enhanced in vitro activity of the enzyme in the presence of copper-imidazole complexes," Plant Physiol., Vol. 84 p. 726-731, (1987).	
	C6	DAHLEEN, LYNN S., "Improved plant regeneration from barley callus cultures by increased copper levels," Plant Cell, Tissue and Organ Culture, Vol. 43 p. 267-69, (1995).	
	C7	GHAEMI, MARYANN ET AL, "The effects of silver nitrate, colchicine, cupric sulfate and genotype on the production of embryoids from anthers of tetraploid wheat (Triticum turgidum)," Plant Cell, Tissue and Organ Culture, Vol. 36 p. 355-59, (1994).	
	C8	HARE, P.D. AND J. VAN STADEN, "Cytokinin oxidase: biochemical features and physiological significance," Physiologia Plantarum, Vol. 91 p. 128-36, (1994).	
	C9	HARRISON, MARK D. ET AL, "Intracellular copper routing: the role of copper chaperones," TIBS 25 p. 29-32, (2000).	
	C10	KIM, H.K. ET AL, "Reduction of genotype limitation in wheat (Triticum aestivum L.) transformation," Abstract P-1021, Congress On In Vitro Biology, p. 43-A.	
	C11	MORARD, P. ET AL, "Kinetics of mineral nutrient uptake by Saponaria officinalis L. suspension cell cultures in different media," Plant Cell Reports, Vol. 18 p. 260-265, (1998).	

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Sheet **2** of **2**

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	C12	MORILLO, ESMERALDA ET AL, "Adsorption of glyphosate on the clay mineral montmorillonite: effect of Cu(II) in solution and adsorbed on the mineral," Environ. Sci. Technol., Vol. 31 p. 3588-92, (1997).	
	C13	PURNAUSER, LASZLO AND GYULAI GABOR, "Effect of copper on shoot and root regeneration in wheat, triticale, rape and tobacco tissue cultures," Plant Cell, Tissue and Organ Culture, Vol. 35 p. 131-39, (1993).	
	C14	PURNAUSER, LASZLO, "Stimulation of shoot and root regeneration in wheat Triticum aestivum callus cultures by copper," Cereal Res. Communications, Vol. 19 ( No. 4), p. 419-23, (1991).	
	C15	SHOOK, ANDY L. AND ARRON C. GUENZI, "Chapter II: Plant regeneration from wheat (Triticum aestivum L. cv Bobwhite) callus cultures improved by increasing copper concentration," Thesis, OK State University, p. 20-31, (1996).	
	C16	SMART ET AL, "Selective overproduction of 6-enol-Pyruvylshikimic acid 3-phosphate synthase in a plant cell culture which tolerates high doses of the herbicide glyphosate," J of Biological Chemistry, Vol. 260 (30) p. 16338-46, (1985).	
	C17	WOESTE, KEITH E. ET AL, "Factors regulating ethylene biosynthesis in etiolated Arabidopsis thaliana seedlings," Physiologia Plantarum, Vol. 105 p. 478-84, (1999).	
	C18	ZHANG, S. ET AL, "Genetic transformation of commercial cultivars of oat (Avena sativa L.) and barley (Hordeum vulgare L.) using in vitro shoot meristematic cultures derived from germinated seedlings," Plant Cell Reports, Vol. 18 p. 959-966, (1999).	
	C19	ZHOU, H. ET AL, "Glyphosate-tolerant CP4 and GOX genes as a selectable marker in wheat transformation," Plant Cell Reports, Vol. 15 p. 159-63, (1995).	

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